

Product Datasheet

CD44 Antibody (HCAM/918)

NBP2-44652-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44652-0.1mg

CD44 Antibody (HCAM/918)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	HCAM/918
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-11479) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	960
Gene Symbol	CD44
Species	Human, Baboon, Monkey
Reactivity Notes	Green Monkey
Marker	Cancer Stem Cell Marker
Specificity/Sensitivity	Recognizes a cell surface glycoprotein of 80-95kDa (CD44) on lymphocytes, monocytes, and granulocytes (Leucocyte Typing Workshop V). Its epitope is resistant to digestion by trypsin and chymotrypsin. This monoclonal antibody selectively interferes with lymphocyte binding to lymph node, mucosal and synovial endothelium. The CD44 family of glycoproteins exists in a number of variant isoforms, the most common being the standard 85-95kDa or hematopoietic variant (CD44s). Higher molecular weight isoforms are described in epithelial cells (CD44v), which are believed to function in intercellular adhesion and stromal binding. CD44 immunostaining is commonly used for the discrimination of urothelial transitional cell carcinoma in-situ from non-neoplastic changes in the urothelium.
Immunogen	Stimulated human leukocytes

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.25-0.5 ug/ml

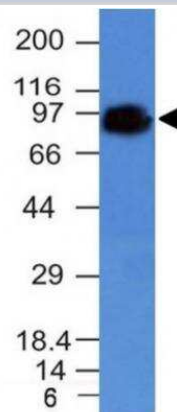


Application Notes

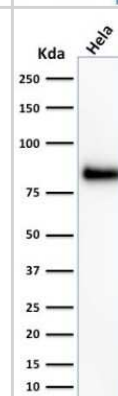
Immunohistochemistry (Formalin-fixed): 0.25-0.5ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.
Optimal dilution for a specific application should be determined.

Images

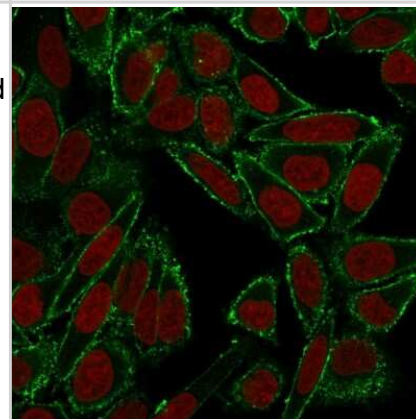
Western Blot: CD44 Antibody (HCAM/918) [NBP2-44652] - DU145 Cell Lysate using CD44 Monoclonal antibody (HCAM/918).



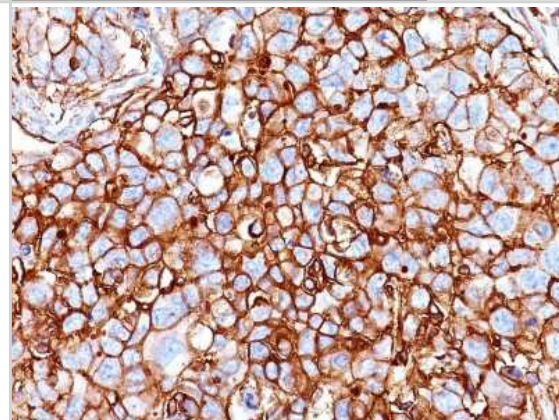
Western Blot: CD44 Antibody (HCAM/918) [NBP2-44652] - Western Blot Analysis of HeLa cell lysate using CD44 Antibody (HCAM/918).



Immunocytochemistry/Immunofluorescence: CD44 Antibody (HCAM/918) [NBP2-44652] - Confocal immunofluorescence image of HeLa cells using CD44 Antibody (HCAM/918) in Green (CF488) and Red Dot is used to label the nuclei Red.



Immunohistochemistry-Paraffin: CD44 Antibody (HCAM/918) [NBP2-44652] - Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with CD44 Antibody (HCAM/918).





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Products Related to NBP2-44652-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-84578PEP	CD44 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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